



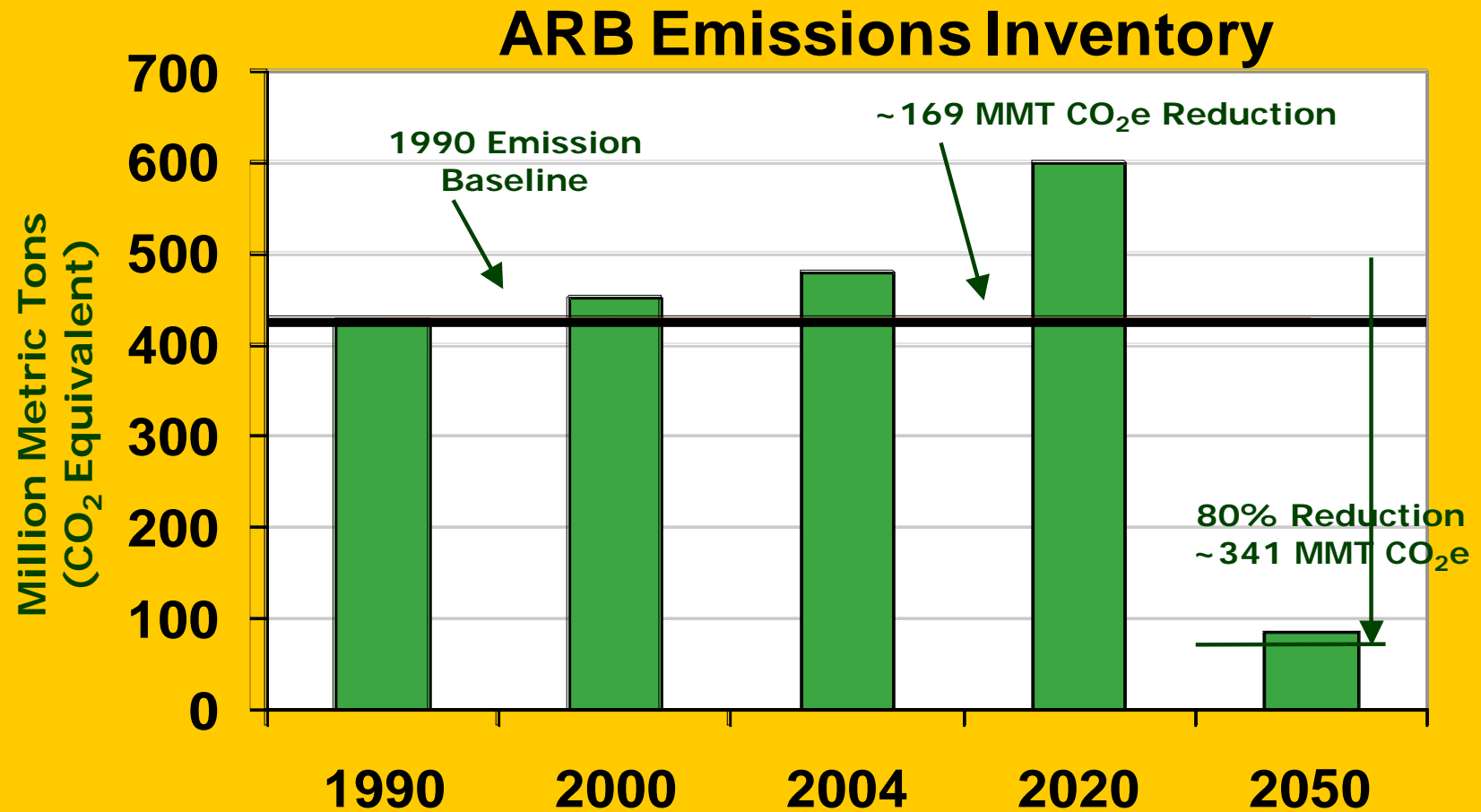
An Overview of the California Climate Adaptation Strategy

Tony Brunello
Deputy Secretary for Climate & Energy
CA Resources Agency

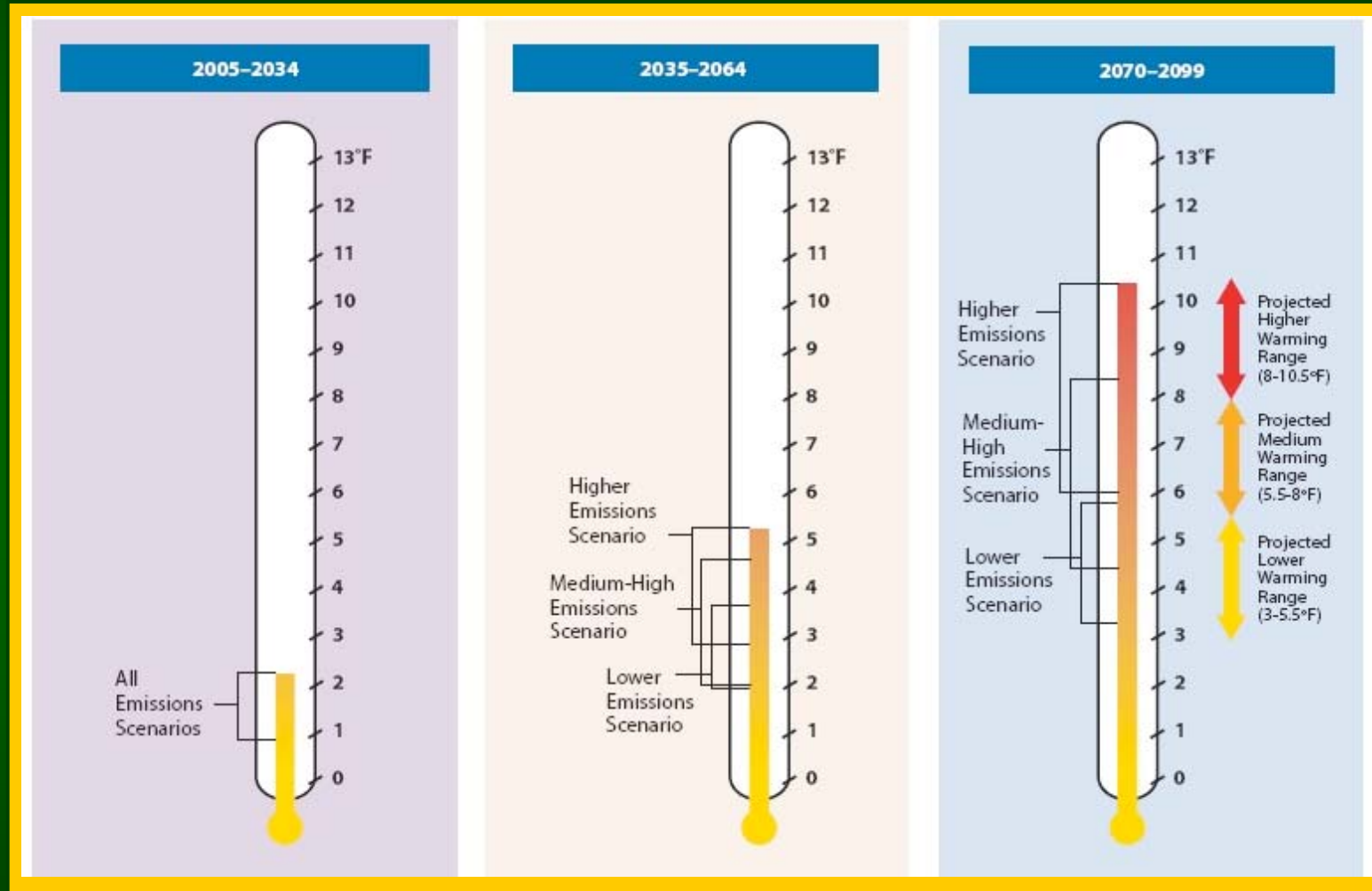
KEY POINTS

- ❑ Describe CAS process
- ❑ Explain key reasons for CAS
- ❑ Request CEC assistance in understanding key climate change risks to California's "Infrastructure" sector

MITIGATION

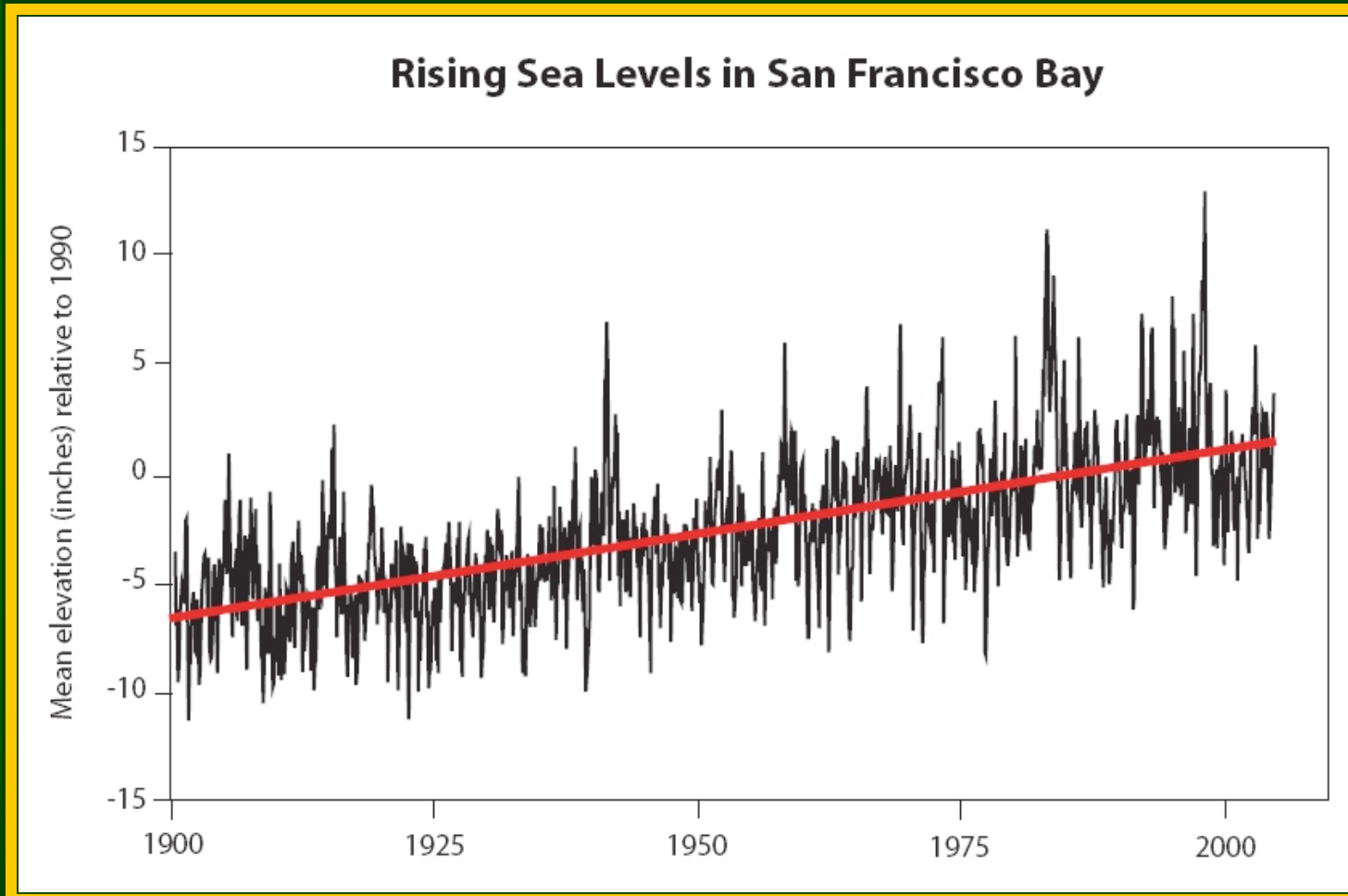


GETTING WARMER



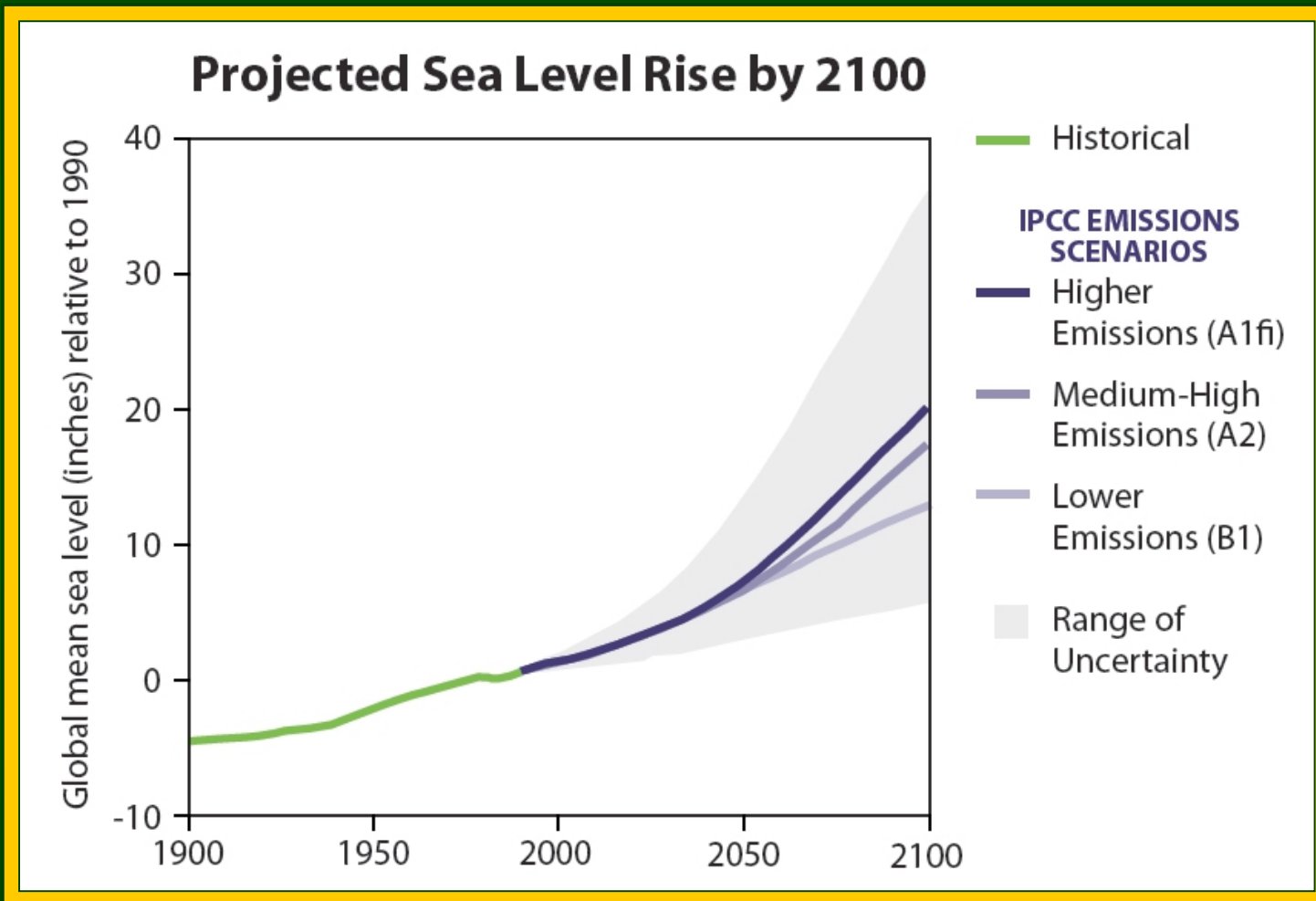
RISING SEA LEVELS

- SAN FRANCISCO BAY -



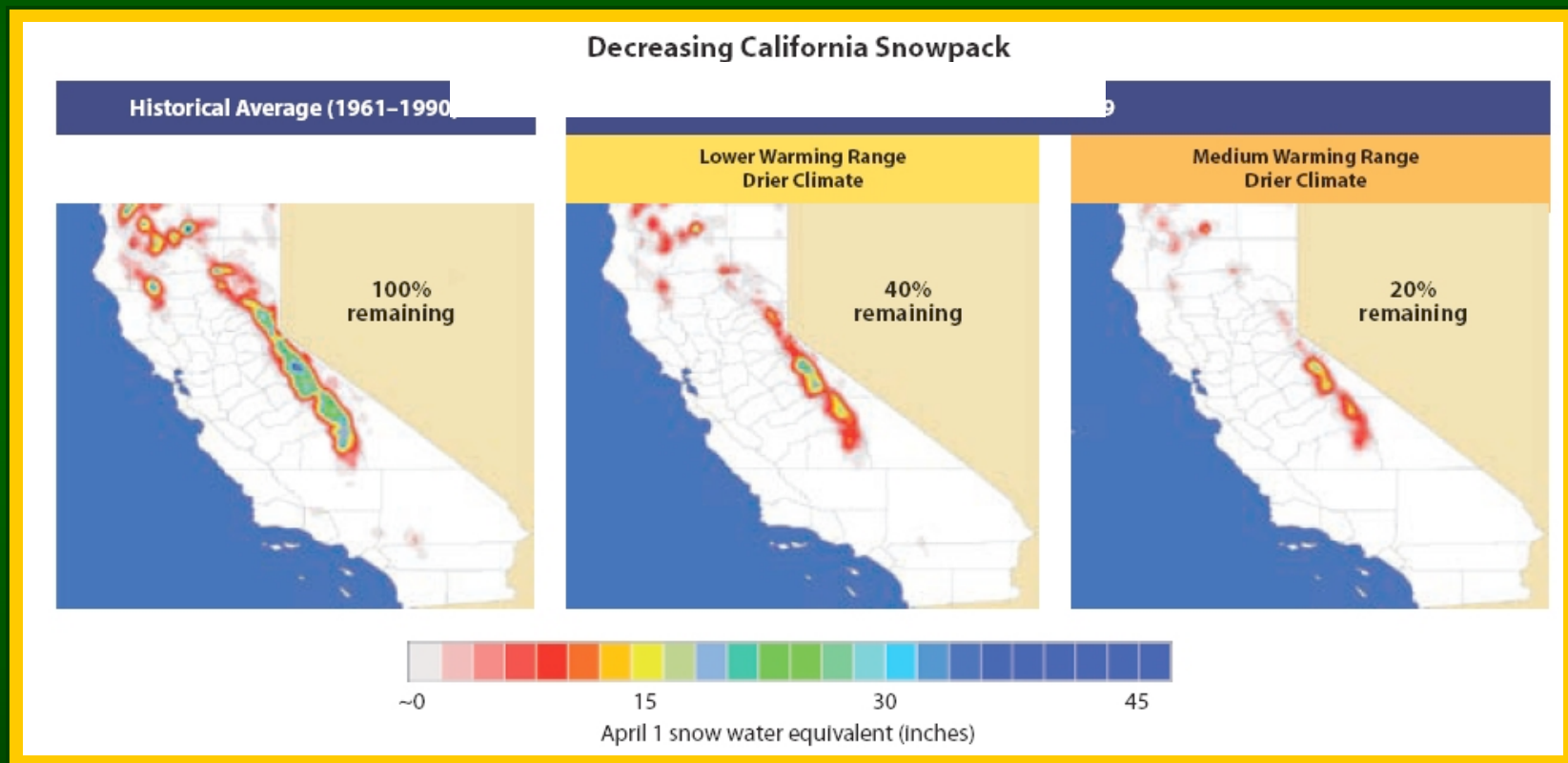
SEA LEVELS

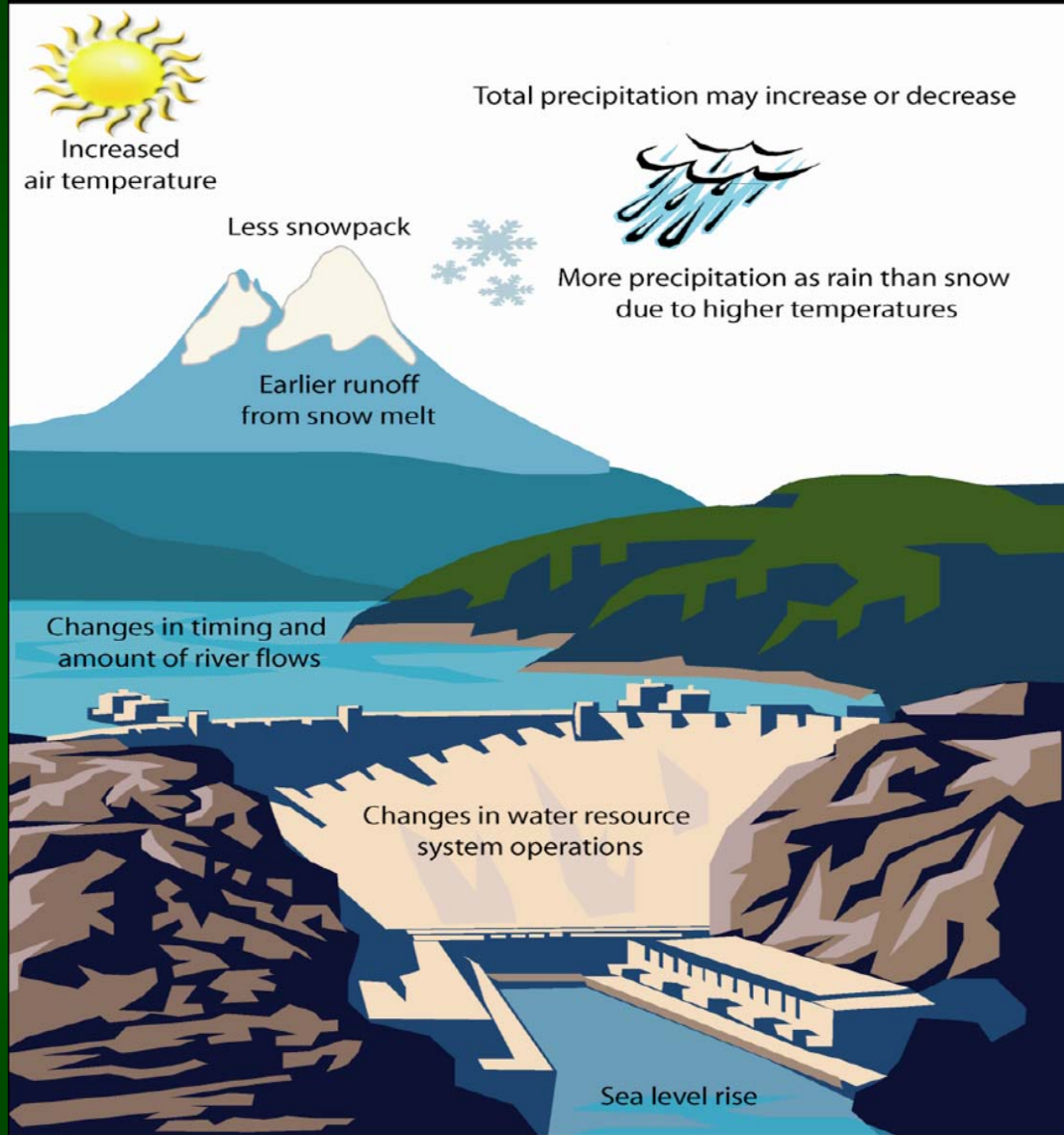
- CONTINUE TO RISE -



DECREASING SNOWPACK

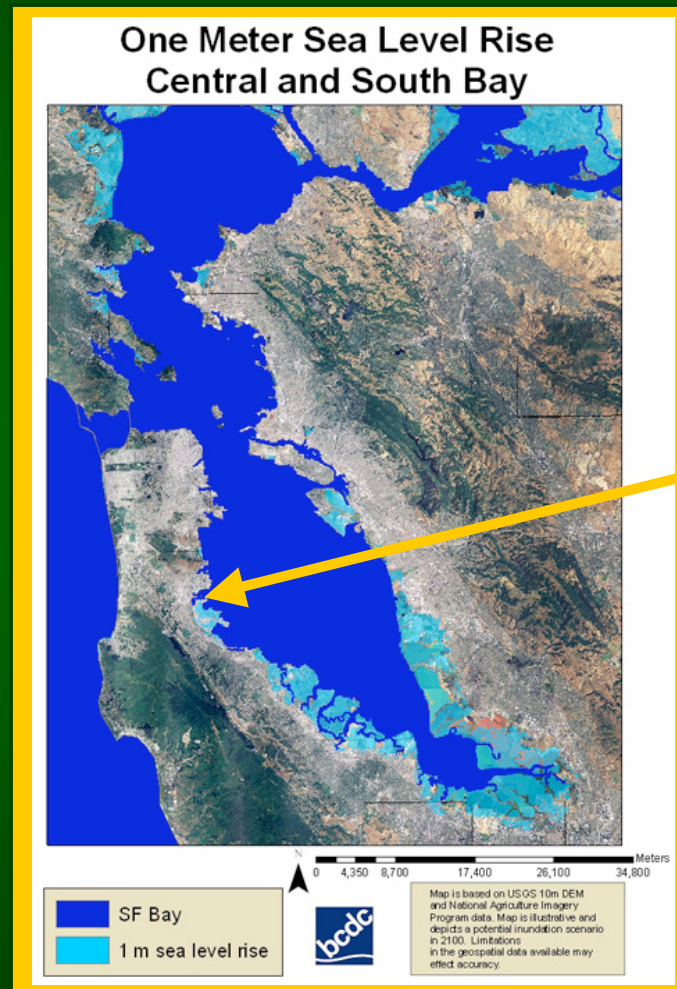
California Snowpack Will Decrease Results - Earlier Snow Runoff





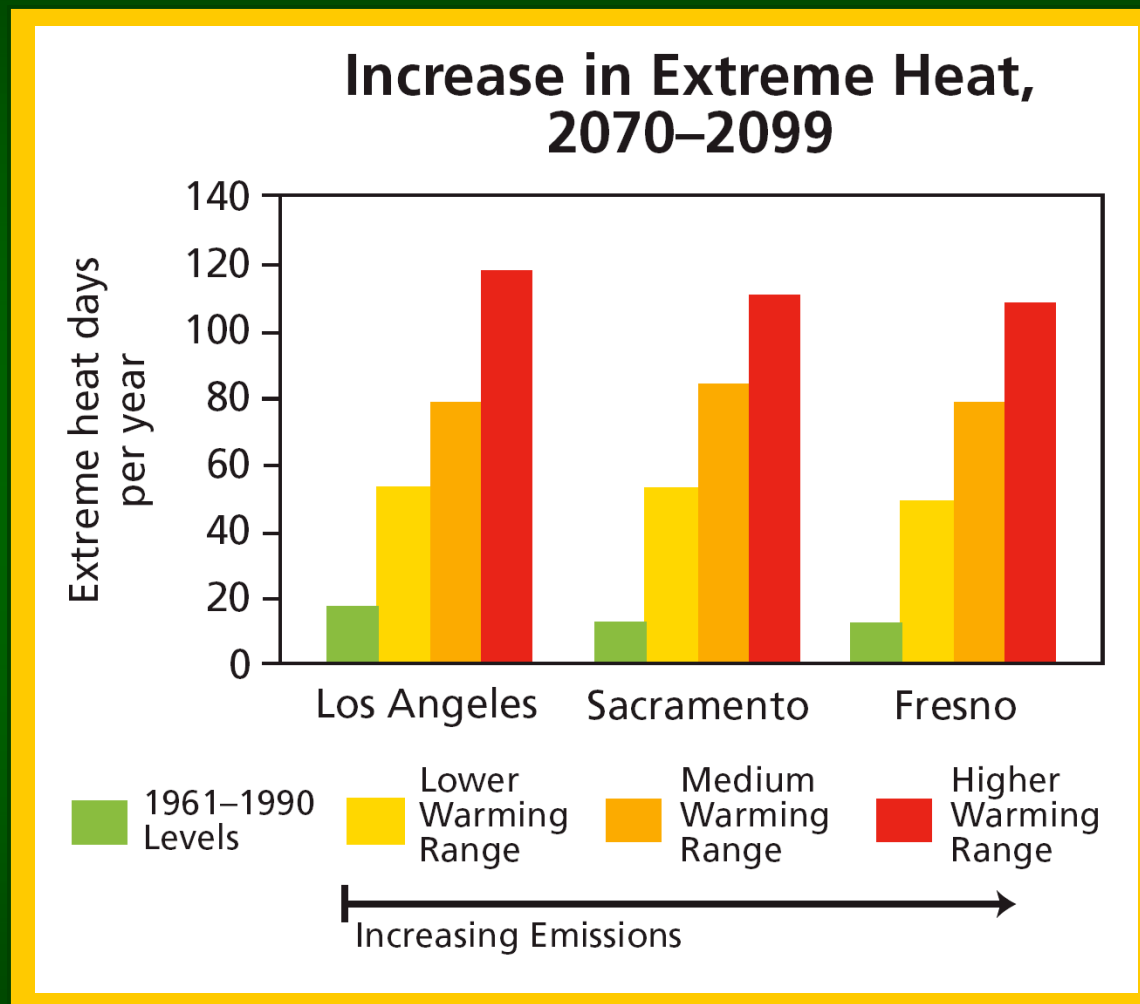
INFRASTRUCTURE IMPACTS

AIRPORTS, ROADS, LEVIES...



S.F. Airport

PUBLIC HEALTH



FIRE THREAT



WHY WE NEED A CAS

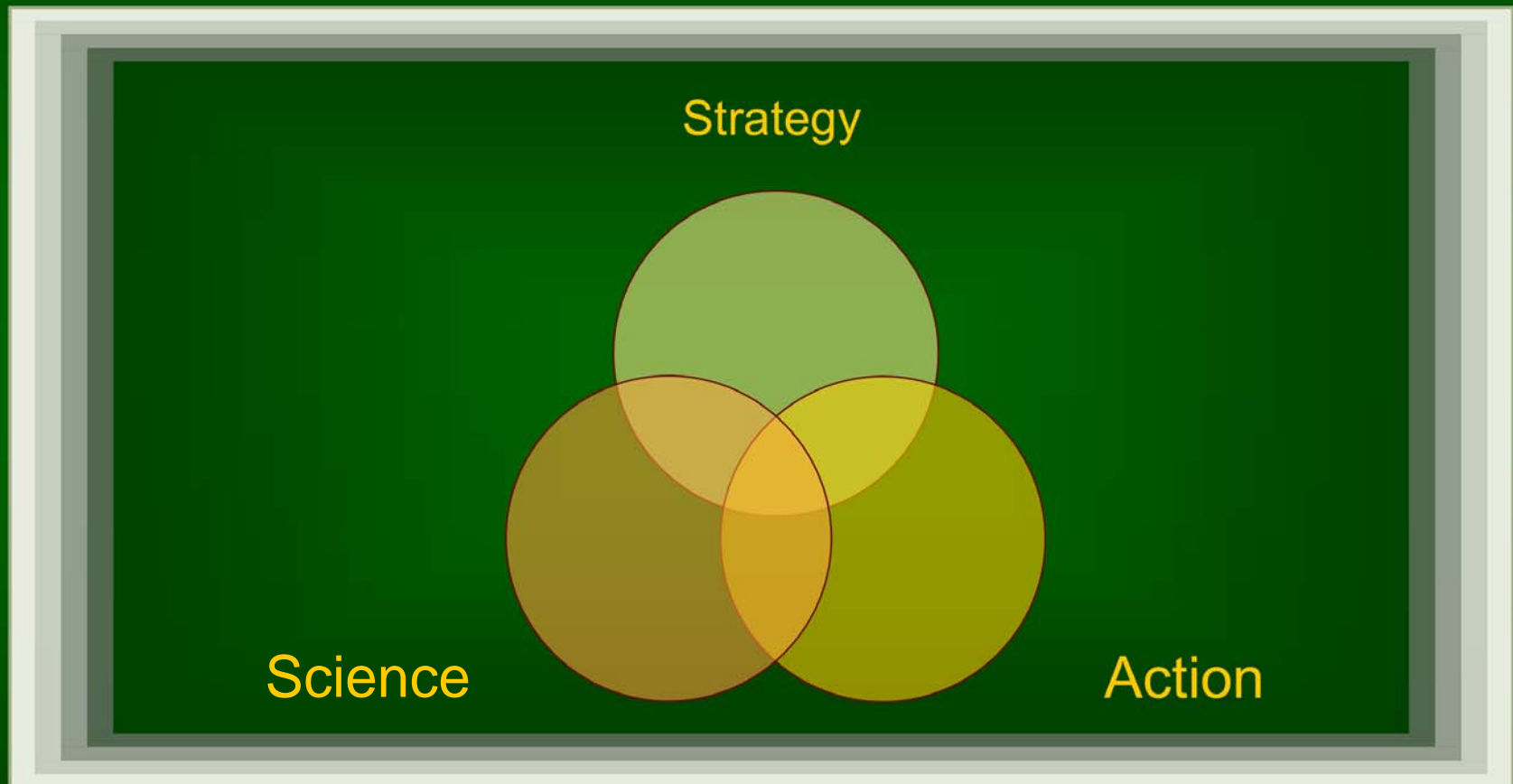
- ❑ California's population, environment, and infrastructure are at risk from known future climate change impacts
- ❑ Planning and funding do not link with known climate change impacts
- ❑ Better assessment of funds needed to reduce state vulnerability and risk (Lieberman-Warner - \$20-278 Billion)

CLIMATE ADAPTATION STRATEGY

□ Goals

- Initiate Action and Dialogue
- Develop Climate Vulnerability & Risk Assessments by Sector
- Develop Coordinated Policy Guidance & Direction
- Coordinate with Mitigation Efforts

CLIMATE ADAPTATION STRATEGY

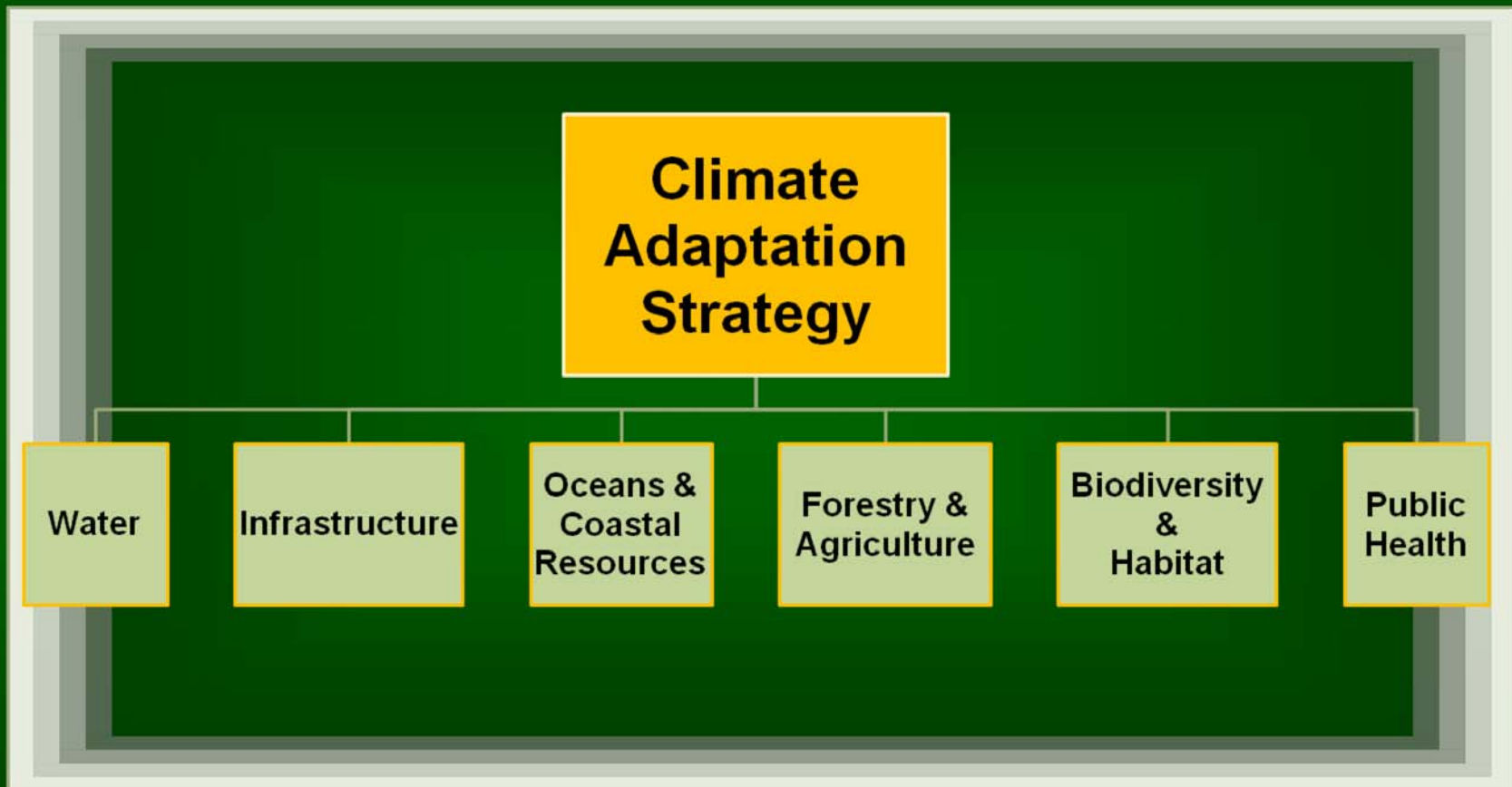


A WORK IN PROGRESS

□ Known State Efforts Underway

- CALIFORNIA ENERGY COMMISSION
 - Climate Change Impacts Assessment
- WATER - Dept. Water Resources
 - State Water Plan Update
- INFRASTRUCTURE - California Dep. of Transportation
 - Bay Area Infrastructure Assessment
- FORESTS - CA Department of Forestry and Fire Protection
 - Forest & Rangeland Assessment Update
- BIODIVERSITY
 - Department of Fish & Game - California Wildlife Action Plan
 - Department of Parks and Recreation
- OCEANS & COASTAL RESOURCES
 - Coastal Commission Ocean Protection Council
 - Resources Agency Coastal Conservancy
 - Bay Conservation & Development Commission

CLIMATE ADAPTATION WORKING GROUPS



CLIMATE ADAPTATION STRATEGY

THE NUTS & BOLTS

□ When

- Sector Strategies Completed by 12/08
- Draft CAS Released 1/09
- Final CAS Released 4/09

□ Who

- State Agency Focused
 - Unless Coordinated Action Identified (i.e., USFS, USEPA, ICLEI)
- Bottom -up Examples From Cities, Countries, Etc.

THE NUTS & BOLTS

□ What To Expect

— Report Chapters Will Include:

1. Sector Outline
2. Impacts & Vulnerabilities
3. Risks from Impacts
(Risk = Consequence X Probability)
4. Sector Preparedness Action Plan
5. Next Steps (2 Year Plan)

WHAT'S NEXT?

- ❑ October Workshops
 - Oceans, Public Health, and Infrastructure
- ❑ November Workshops
 - Cross-Sector Discussions
- ❑ Sector Working Groups
- ❑ Tool Refinement
 - Google/SEI, Adaptation Protocol
- ❑ Early Actions

Adapting to Climate Change

A California Strategy

Questions & Answers